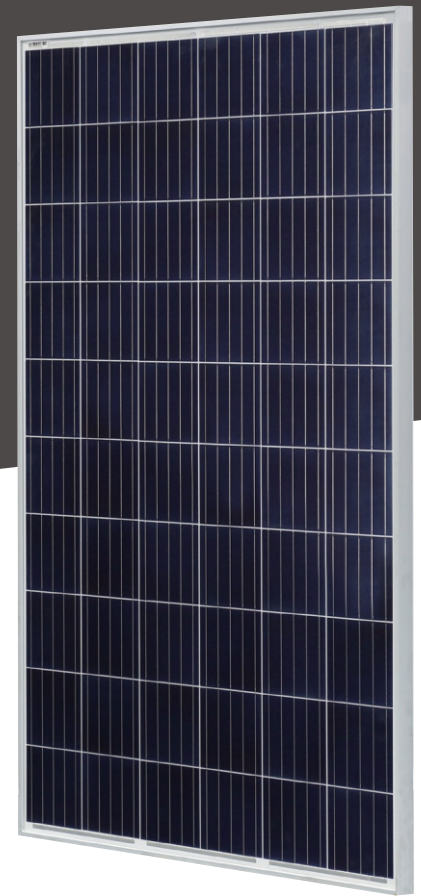


# AU-60P

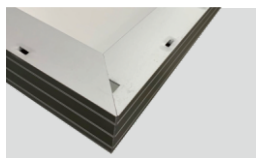
**POWER RANGE**  
**270W~285W**

**CELL SIZE**  
**156.75\*156.75mm**



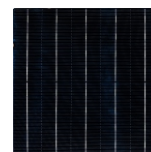
### JUNCTION BOX

Waterproof protection grade:IP67/IP68  
Safety Level: Class II  
Maximum System Voltage: 1500V/1000V  
outstanding waterproof level ·  
Effectively resist harsh environments



### Frame

Strong machinical load  
resistance up to 5400Pa  
Anodic oxidation layer resistant to  
chemical corrosion available  
in silver and black



5BB



### MBB Cells

Absorbing current and reducing mismatched loss.



### Outstanding low light performance

Available for outputting more power under low light conditions such as haze,cloudy or rainy days.



### Anti-reflective glass

Increasing light absorption and reducing the loss of power.



### Excellent performance of PID resistance

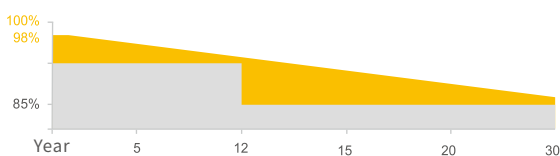
The performance of PID resistance(Potential Induced Degradation) passed the standard of TUV Nord.

## QUALIFICATIONS AND CERTIFICATES



· IEC61215 / · IEC61730

## WARRANTY



**12**  
YEARS

Guarantee on product material and workmanship

**30**  
YEARS

Linear Power output warranty

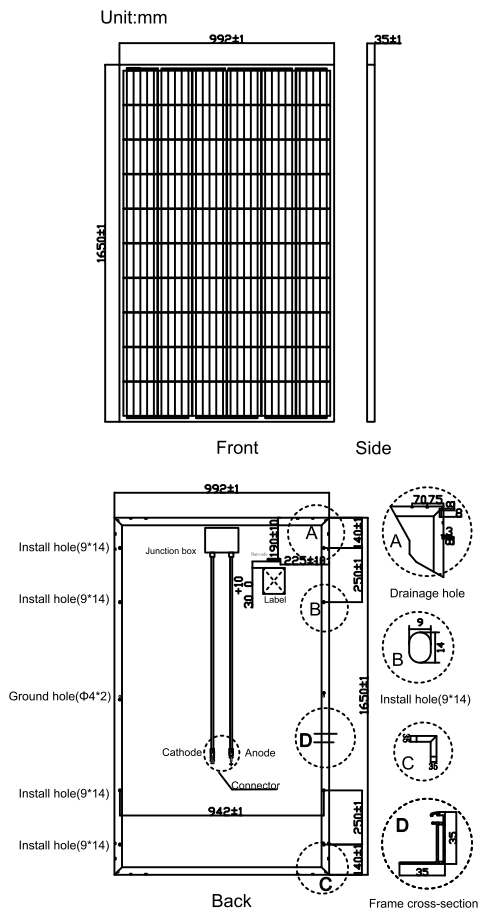
**AUSTA ENERGY**  
[www.austagroup.com](http://www.austagroup.com)

AUSTA ENERGY established in 2008, is a high-tech enterprise integrating R&D, production and sales of solar energy products. It is committed to the overall solution of distributed photovoltaic system and provides services from consulting, design, construction, financing to intelligent operation and maintenance.

AUSTA has 3 production sites in China and branches and representative offices in more than 10 countries overseas. Products include solar cells, modules, On/Off grid solar system, solar pump and other solar related applications. Our products have passed many international certifications such as TUV, MCS, CEC, IEC, ISO, CE, CQC and so on. With excellent quality, our products are exported to more than 100 countries of the world.

Since its establishment, AUSTA has always followed the idea of "Smart energy,Lightening future". It has followed the steps of " the Belt and Road Initiative", we bring bright light to the countries and people who are short of electricity. Sharing the concept of modern civilization, and building a green home together.

## PV DRAWINGS



## ELECTRICAL DATA (STC)

Model Type	AU-270W30P	AU-275W30P	AU-280W30P	AU-285W30P
Peak Power(Pmax)	270.00	275.00	280.00	285.00
Maximum Power Voltage(Vmp)	31.70	31.79	31.94	32.03
Maximum Power Current(Imp)	8.52	8.66	8.77	8.90
Open Circuit Voltage(Voc)	38.83±3%	38.94±3%	39.13±3%	39.24±3%
Short Circuit Current(Isc)	8.97±3%	9.12±3%	9.23±3%	9.37±3%
Module Efficiency( % )	16.49	16.80	17.10	17.41

\* STC: irradiance 1000 W/m<sup>2</sup>, AM 1.5, and cell temperature of 25°C

## ELECTRICAL DATA (NOCT)

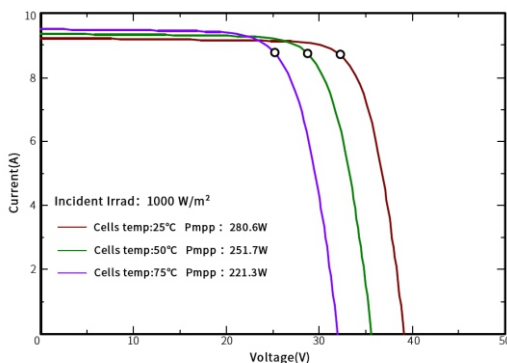
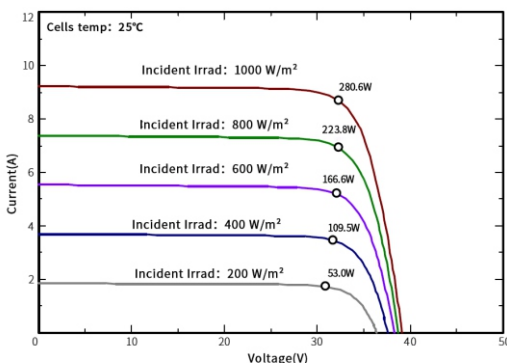
Model Type	AU-270W30P	AU-275W30P	AU-280W30P	AU-285W30P
Peak Power(Pmax)	200.00	204.00	208.00	212.00
Maximum Power Voltage(Vmp)	29.16	29.25	29.39	29.46
Maximum Power Current(Imp)	6.86	6.98	7.08	7.20
Open Circuit Voltage(Voc)	35.93±3%	36.04±3%	36.21±3%	36.29±3%
Short Circuit Current(Isc)	7.27±3%	7.40±3%	7.50±3%	7.63±3%

\* NOCT: irradiance 800 W/m<sup>2</sup>, AM 1.5, ambient temperature 20°C, wind speed 1 m/s

## TEMPERATURE & MAXIMUM RATING

Maximum System Voltage (V)	1500/1000 V
Maximum Series Fuse Rating (A)	20 A
Power Tolerance	0~+3 W
Pmax Temperature Coefficients (W/°C)	-0.400 %/°C
Voc Temperature Coefficients (V/°C)	-0.300 %/°C
Isc Temperature Coefficients (A/°C)	+0.060 %/°C
NOCT Nominal Operating Cell Temperature (°C)	45±2 °C
Operating and Storage Temperature (°C)	-40~+85 °C

## IV CURVE (280W)



## MECHANICAL CHARACTERISTICS

Cell Type	156.75*156.75 Poly
No. of Cells	60 (6*10)
Dimensions	1650*992*35mm
Weight	18.40kg
Front Glass	3.2mm high transmission, low iron, tempered glass
Frame	Anodized Aluminium Alloy
Junction box	IP67/IP68 3diodes
Output cables	4mm <sup>2</sup> cable 35cm (Including MC4 connector)
MaxWind Load/Snow Load	2400Pa/5400Pa

## PACKING WAY

20FT container	12 Packages/372pcs
40HQ container	28 Packages/952pcs

Austa



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Tel : 86-574-87915068

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E-mail : sales@austagroup.com

The company reserves the right of final interpretation, November 2020 edition